



*Trip Doggett*  
President & CEO  
ERCOT

***Business and Commerce Quarterly Update***  
April 15, 2014

# Current Records – As of April 11, 2014

## Peak Demand Record: 68,305 megawatts (MW)

- 68,305 MW, August 3, 2011

## Weekend Record

- 65,159 MW, Sunday, August 28, 2011

## Winter Peak Record: 57,265 MW

- 57,265 MW, February 10, 2011

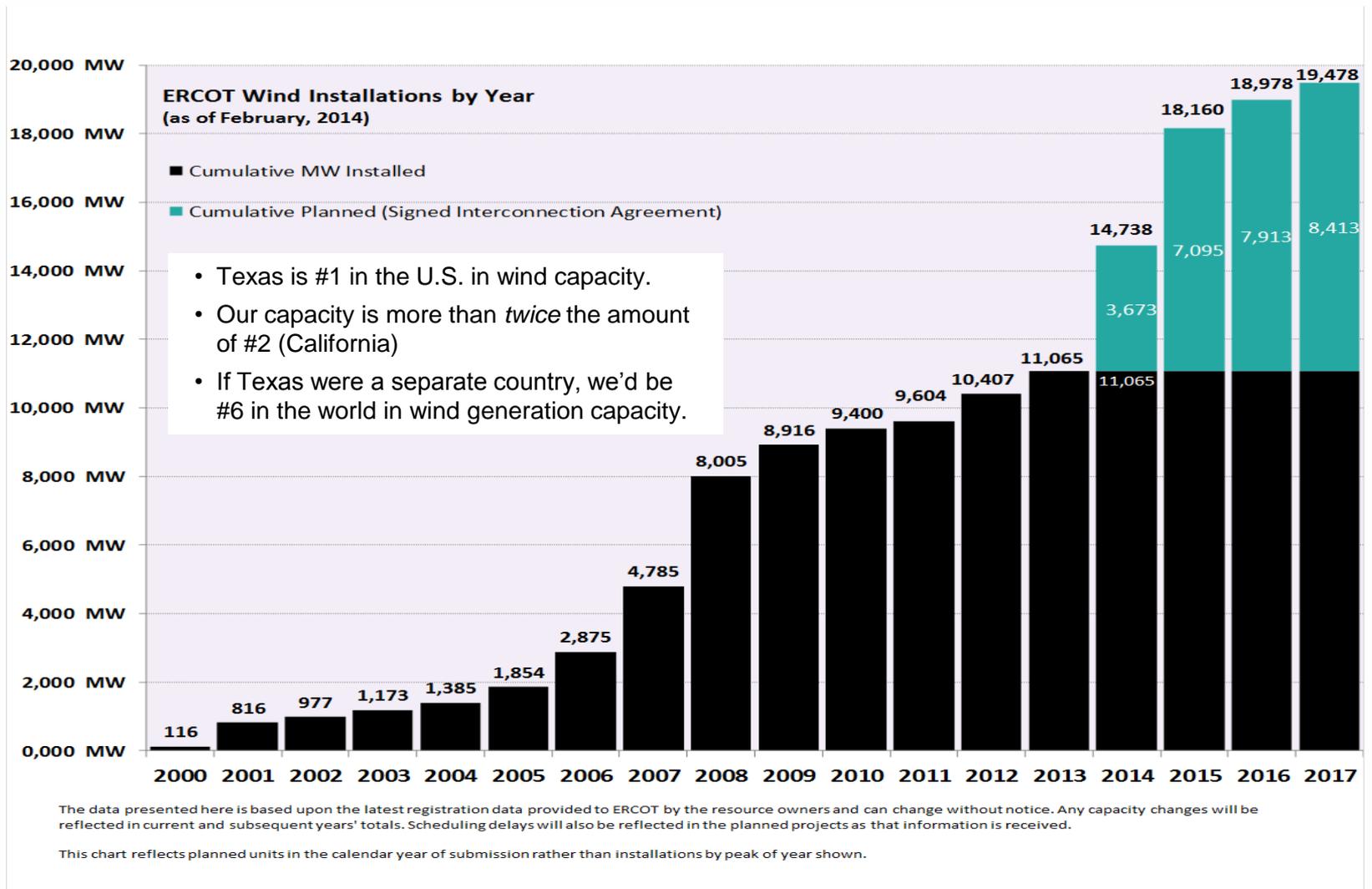
## Wind Generation Records (instantaneous)

- 10,296 MW, March 26, 2014, 8:48 p.m.
  - Non-Coastal Wind Output = 8,863 MW
  - Coastal Wind Output = 1,433 MW
  - Supplying 28.78% of the 35,768 MW Load
  - Installed Commercial Capacity = 11,055 MW
- 39.40% Wind Penetration, March 31, 2013, 2:12 a.m.
  - Total Wind Output = 9,699 MW
  - Total Load = 24,618 MW

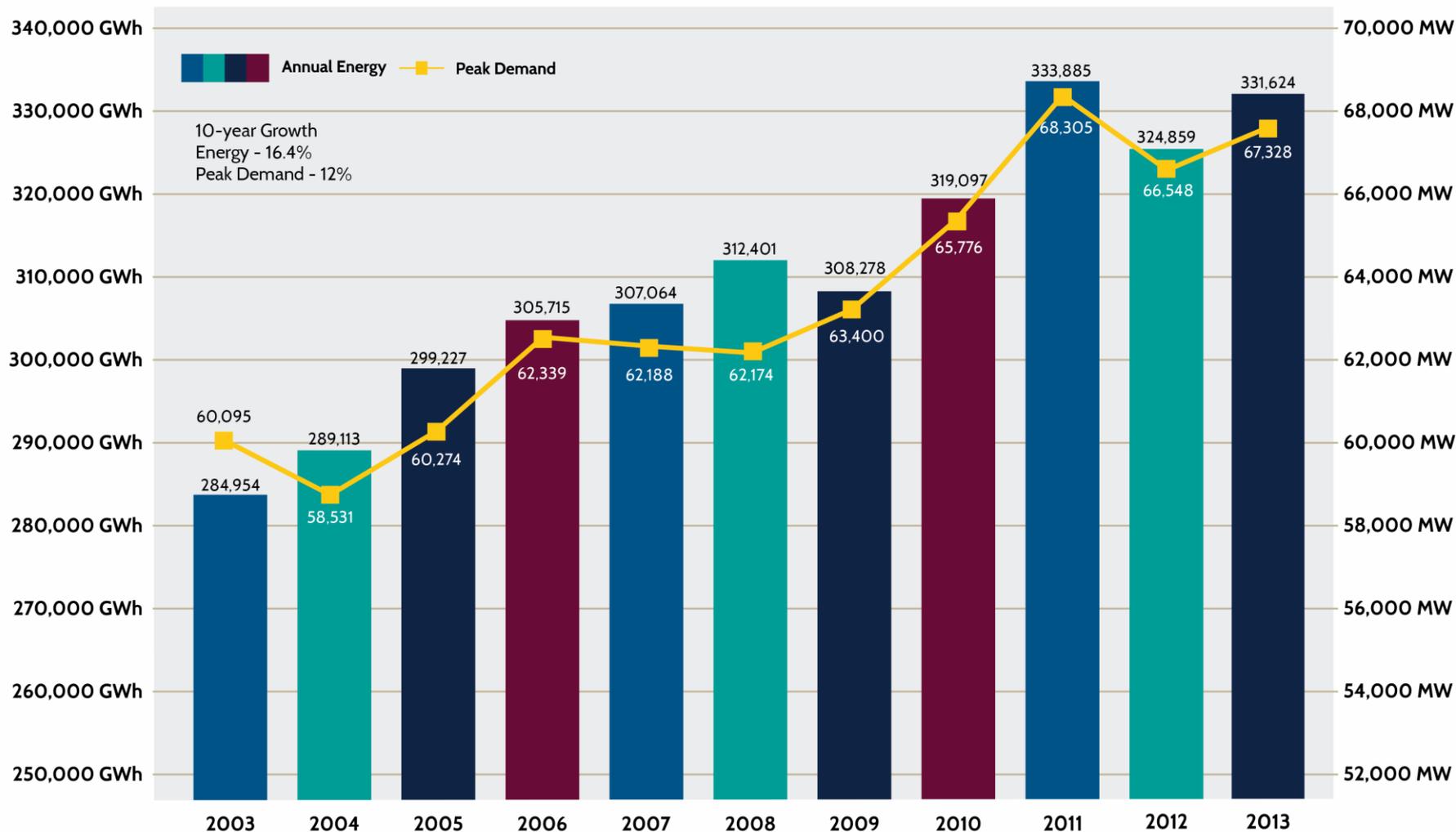
## Summer 2013 Demand

- 64,418 MW, June 27
- 64,814 MW, July 31
- 67,245 MW, August 7
- 63,388 MW, September 3
- No new records

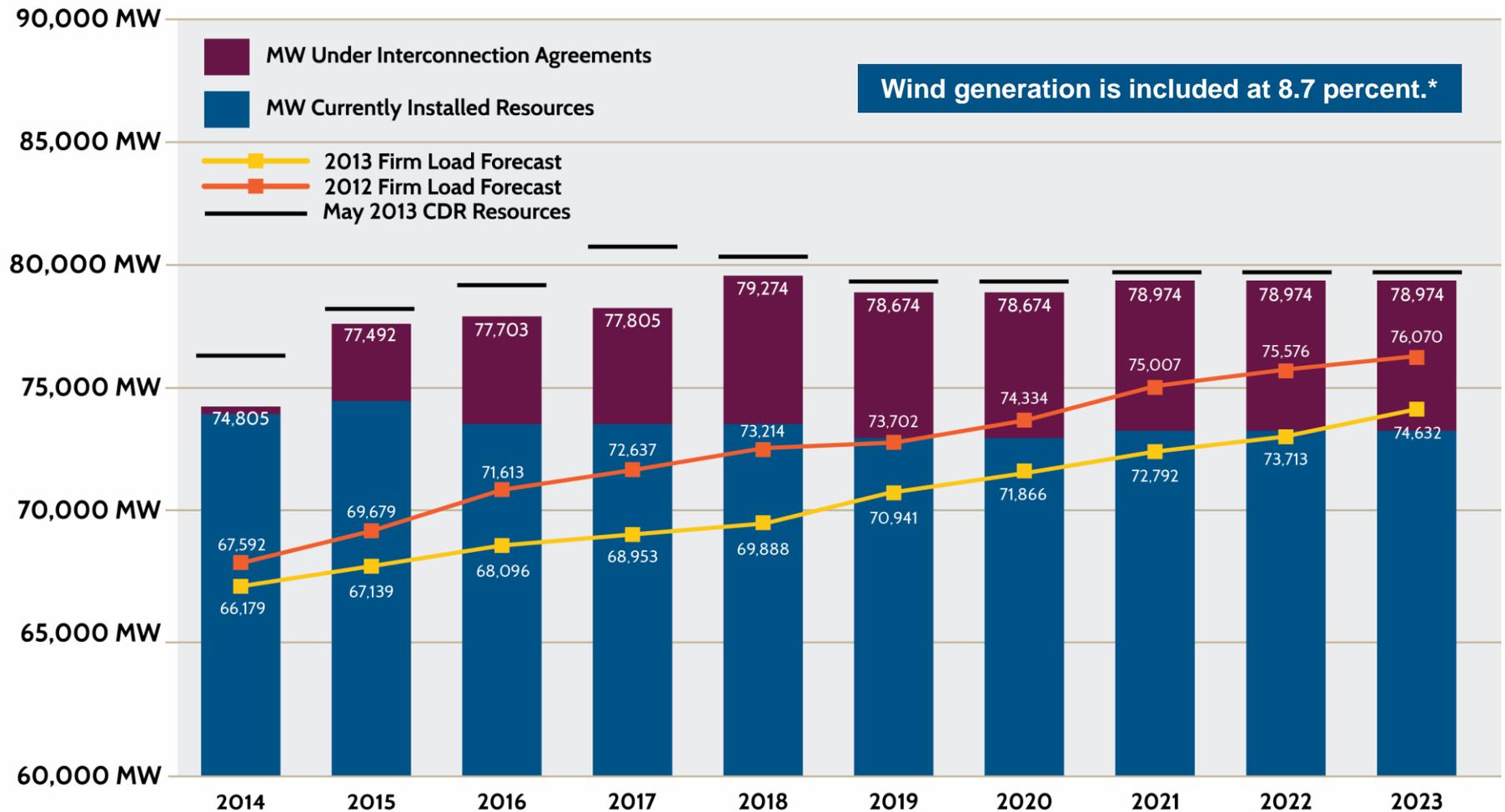
# Wind Generation Capacity – February 2014



# Annual Energy and Peak Demand (2003-2013)

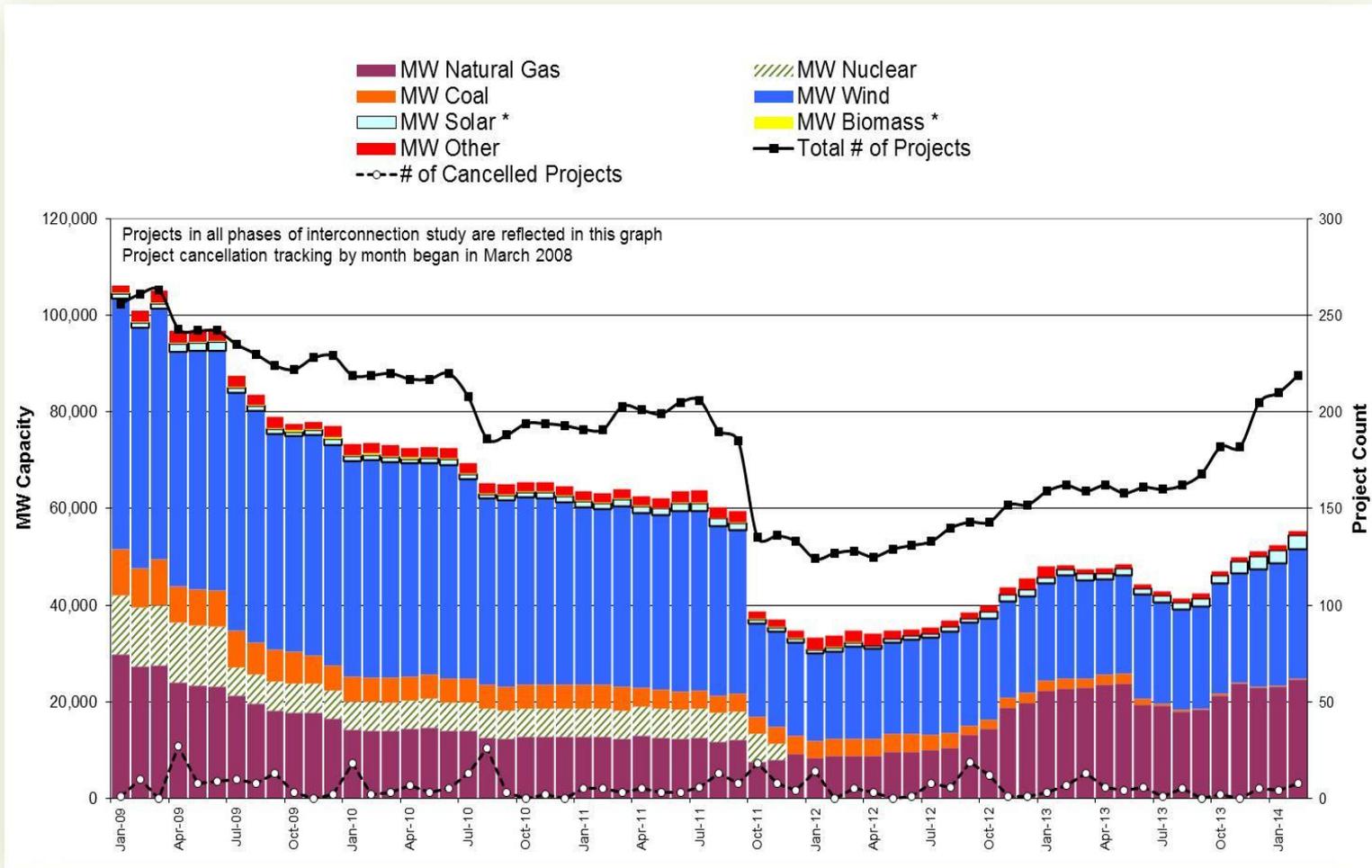


# Capacity, Demand and Reserves (CDR) – February 2014

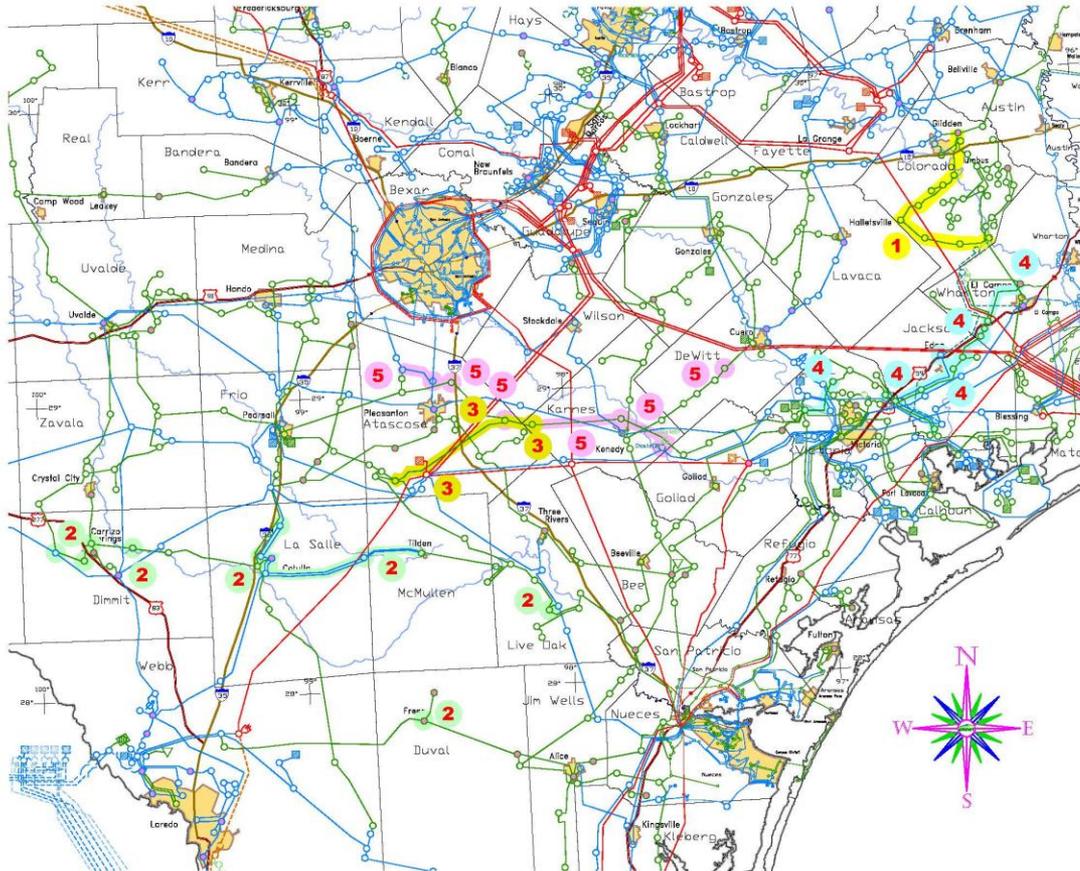


\* ERCOT has been analyzing the operational characteristics of wind generation to determine whether it can depend on a higher percentage of installed capacity during periods of peak demand.

# Generation Interconnection Activity by Fuel



# Eagle Ford Shale Projects I



**Driver – Reliability Need to support new oil and gas load**

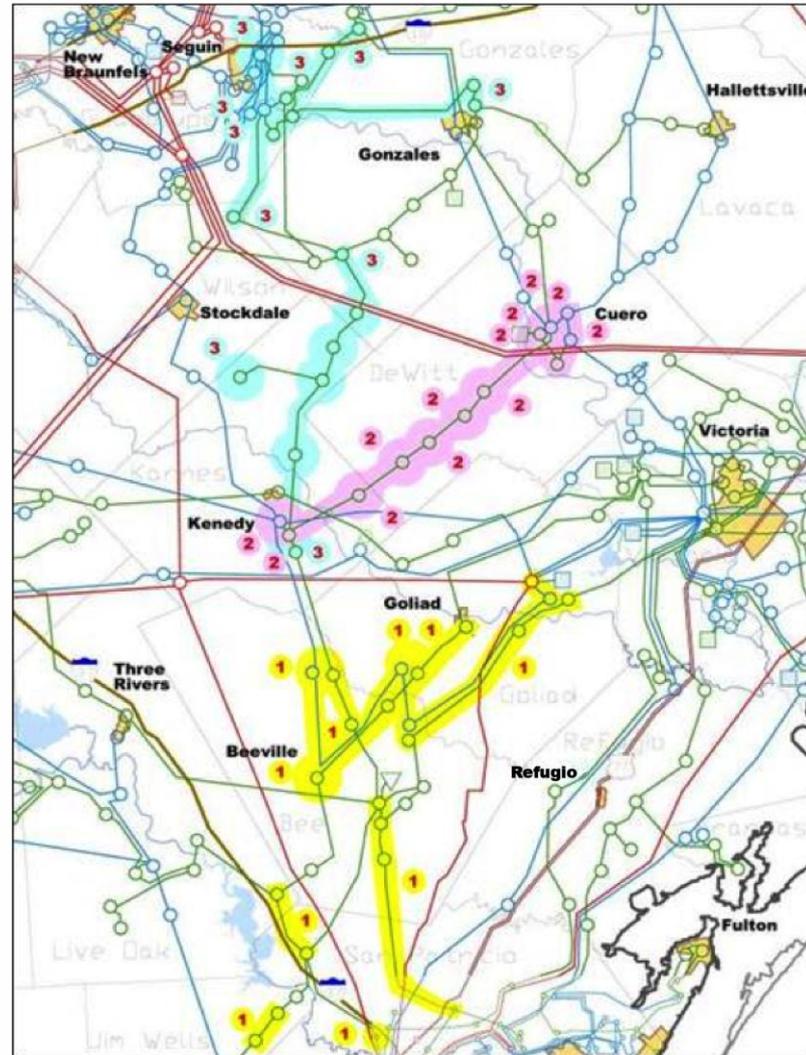
## **Project Components:**

1. Glidden-Colorado-Nada 69 kV upgrade project – April 14
2. Karnes Electric Cooperative-Medina Electric Cooperative load addition project – Dec 15
3. Coy City load addition project – June 14
4. El Campo-Vanderbilt load addition project – April 14
5. Karnes Electric Cooperative load addition project – June 15

# Eagle Ford Shale Projects II

## Driver – Reliability Need to support new oil and gas load Project Components

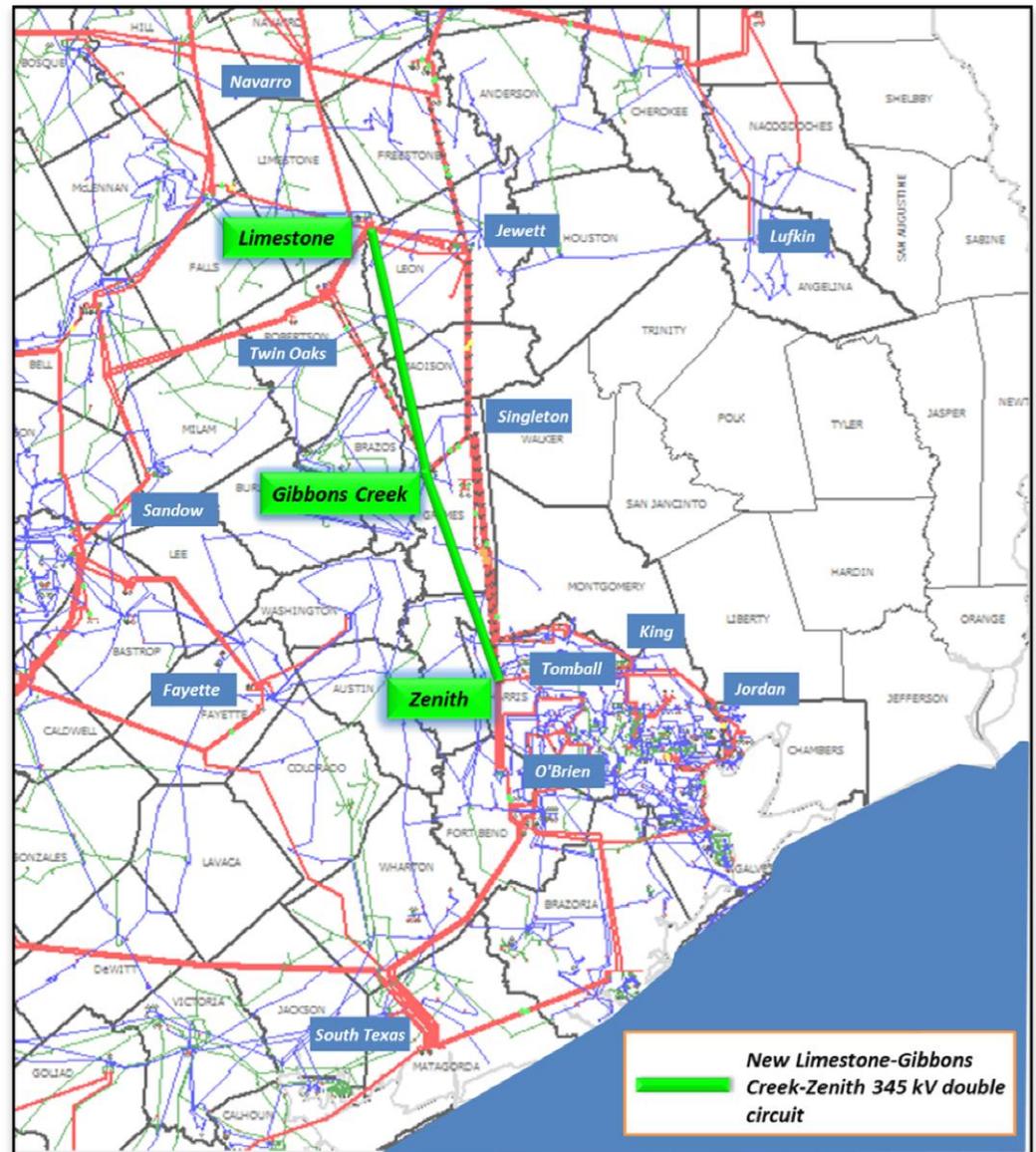
1. Sinton - Beeville - Kenedy Area Improvements Project – May 15
2. Kenedy Switch – Guadalupe Project – June 15
3. Kenedy Switch to Nixon to Seguin upgrade and conversion from 69 kV to 138 kV – June 16



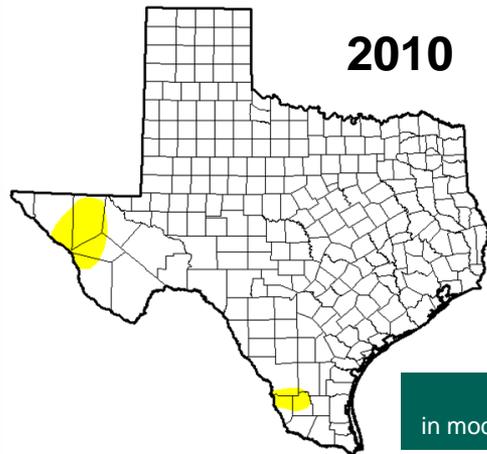
# Houston Import Project – Board Endorsement

On April 8, 2014, the ERCOT Board of Directors endorsed the Houston Import Project:

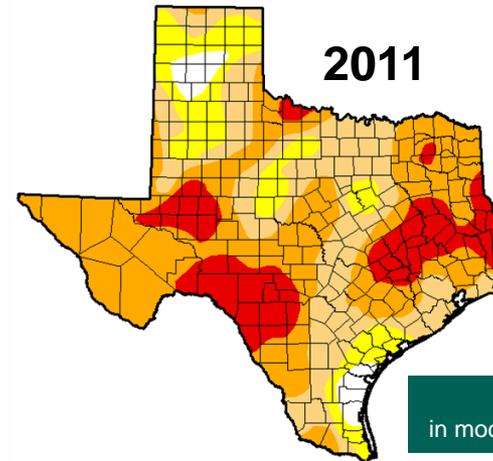
- New Limestone-Gibbons Creek-Zenith 345 kV double-circuit line deemed critical
- Includes improvements to substations and other existing facilities
- Scheduled for completion by summer 2018



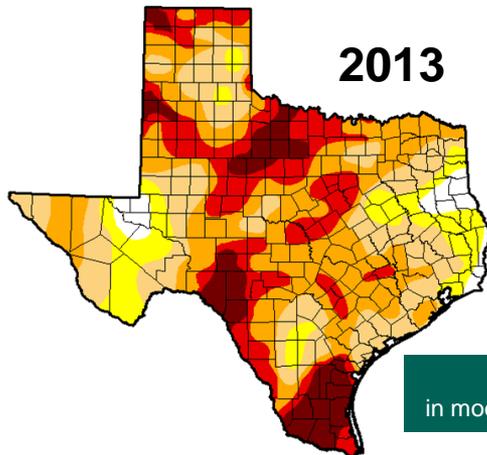
# Comparing Mid-March Drought Conditions



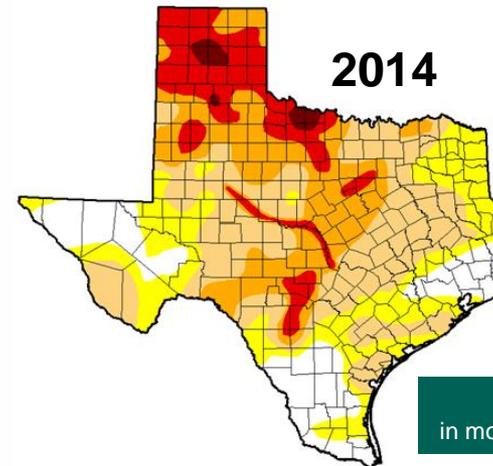
0% of the state  
in moderate or worse drought



84% of the state  
in moderate or worse drought



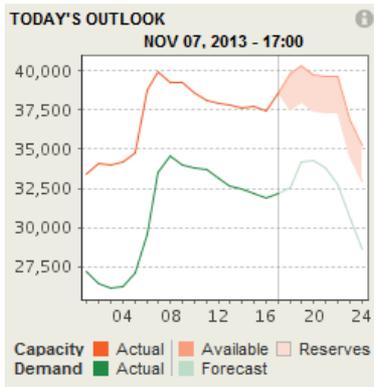
85% of the state  
in moderate or worse drought



64% of the state  
in moderate or worse drought

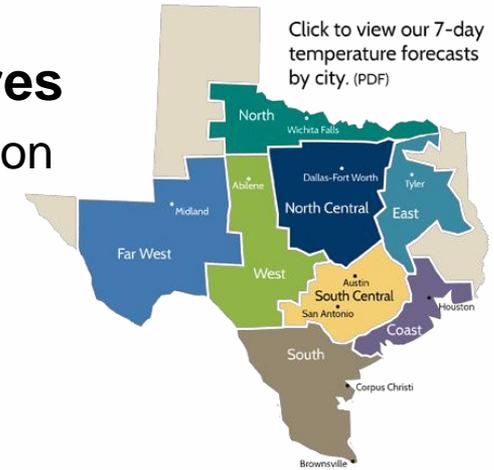
- Current drought began in October 2010.
- A very dry winter has resulted in deteriorating conditions over the past three months.
- PDO has gone positive and some hints of El Nino developing mid-to-late summer. Some cautious potential for wetter conditions later this year.

# Improving communications with consumers



## ERCOT website – added features

- **Today's Outlook:** Hourly generation and load information
- **Weather page:** Daily, seasonal



## Social media – join us!

- Twitter: 5,300+ followers
- Facebook: 1,400+ friends
- LinkedIn: 2,679 followers

## ERCOT Energy Saver mobile app – upgraded

- System conditions – hourly and real-time updates
- Wholesale pricing information – Hubs and Load Zones
- Other improved features and information sharing



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